

Appin No. 09/575,157
 Amdt. Dated July 29, 2004
 Response to Office action of July 29, 2004

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Amendments to the Specification:

The title and the paragraph beginning at Page 1, lines 4-7, to be amended as follows:

IMAGE PROCESSOR FOR CAMERA- PRINTER MODULE WITH AN IMAGE PROCESSOR

FIELD OF THE INVENTION

The invention relates to a compact printer system able to print full-color, business card size documents from a device about the size of a pen. The system includes various hot-connectable modules that provide a range of functions. In particular the invention relates to an image processor for a camera module.

The paragraph beginning at Page 2, lines 9-15, to be amended as follows:

SUMMARY OF THE INVENTION

In one form, the invention resides in a hand held apparatus for recording and printing an image, the apparatus comprising:

a camera module including an image sensor for recording the image and an image processor for processing the image; and

a page width printer module for printing the processed image, the printer module being releasably engageable with the camera module.

wherein the camera and the printing modules include complementary respective interfacing means configured for transmitting data and power between the camera module and the printer module when the modules are engaged.

In another aspect of the invention, there is provided a method of image processing an image in a camera module having an image sensor recording an image, said method including the steps of:

capturing an image from said image sensor;

storing said image in image storage memory in a planarized linear RGB form;

transforming said image from planarized linear RGB form to L*a*b* form; and

transmitting said L*a*b* form image on a bus of a compact printer system.

The paragraph beginning at Page 30, lines 1-11, to be amended as follows:

ABSTRACT

An hand held apparatus for recording and printing an image, the apparatus including a camera module and a printer module, the camera module having an image sensor that captures an image and an image processor that processes the image for transfer to the printer module. ~~image processor for a camera module having an image sensor that captures an image for transfer to a printer module of a compact printer system~~

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~~including a capture unit that captures the image from the image sensor and transforms it to planarized linear RGB form.~~

—The image processor also includes one or more interface units communicating with components of said camera module under control of the a central processing unit. A Serial Bus interface communicates with the Serial Bus of a compact printer system to transfer data and power between modules. In one application, the camera module captures an image which is transferred to the image storage memory of a printer module for printing by a printhead.